

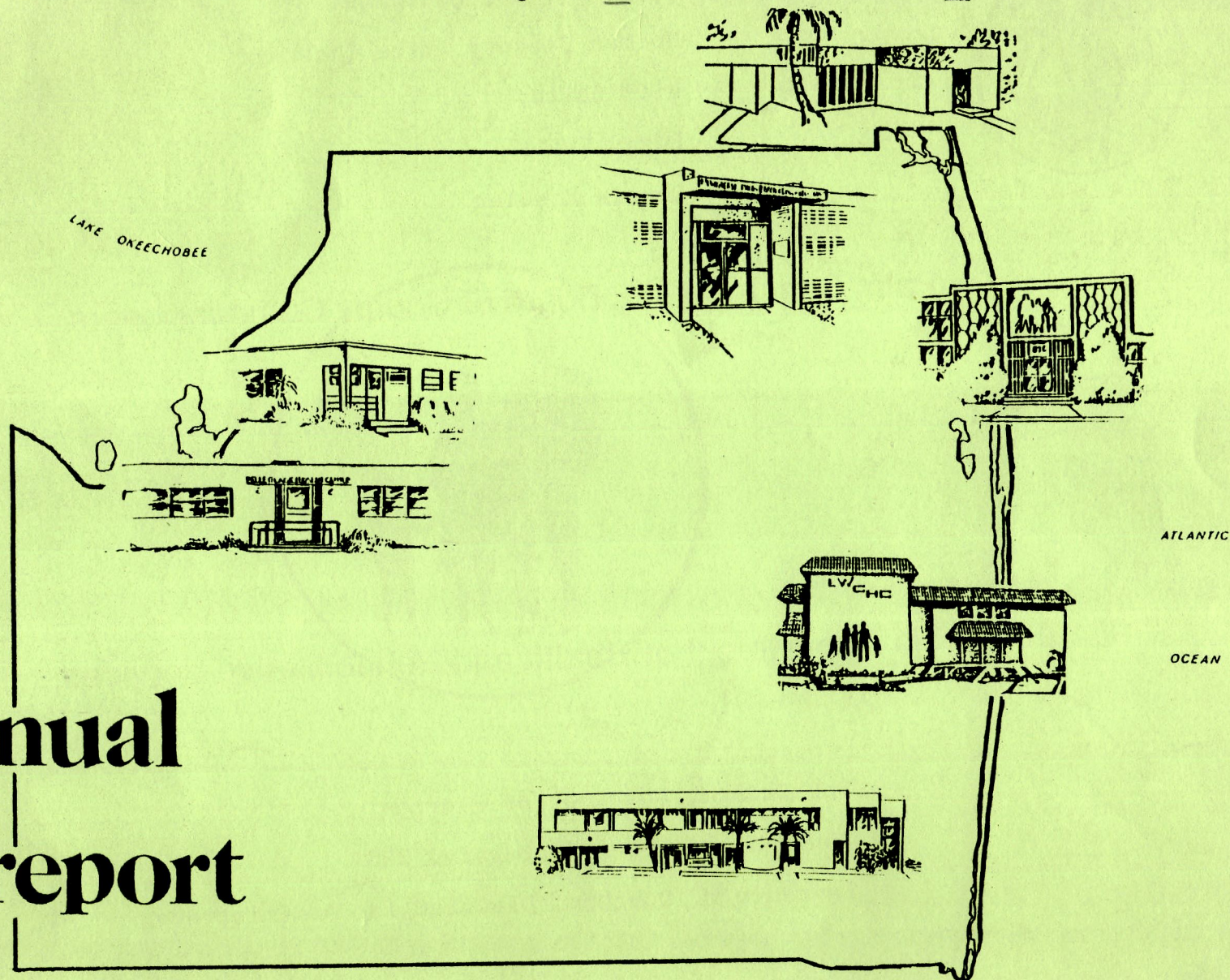
PBC HEA AR 1981

Palm Beach County Health
Department annual report

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annual report 1981



1981



Frank Foster, Chairman

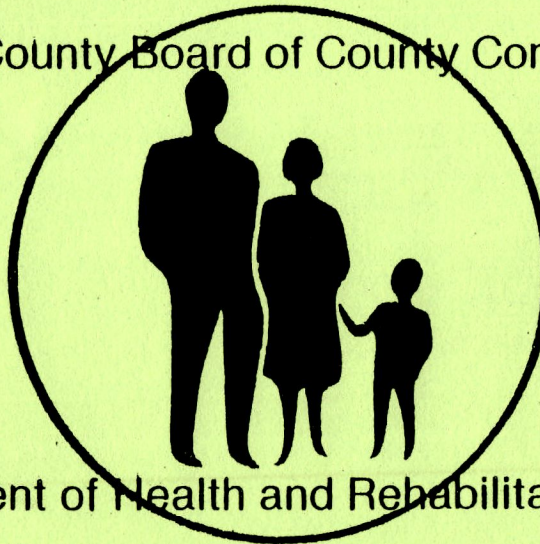
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A MESSAGE FROM THE DIRECTOR

The basic purpose of the services described in this report is to prevent illness and to promote good health for the people of Palm Beach County. At a time when there is great concern over the rising cost of health care, measures designed to prevent disease should be given greater attention. A public health agency can do a great deal along these lines, but achievement of our full potential requires the cooperation and support of the citizens of our communities.

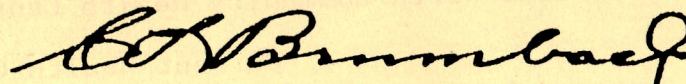
There is a great deal of knowledge being acquired through medical research which could be of great benefit to all of us. Unfortunately, we do not take advantage of all the resources available to protect our health. This report shows some of the activities of the Palm Beach County Health Department which bring these resources closer to the people.

This is a large county and requires that services be decentralized to the various areas in order to be accessible. In this report is a description of the services provided through the various health centers. These include both personal and environmental health activities. They extend considerably beyond what is normally expected of a public health agency, including extensive programs of medical care and environmental protection. Carrying out these programs effectively requires close working relationships with the private sector of medicine, dentistry, engineering and a variety of agencies and groups, both public and private.

The personnel who provide the services described here include a large variety of professional, administrative, and other people, with different kinds of training and experience. Special care is taken to recruit personnel with qualifications suited to their assignments. The Department conducts a number of training programs for the staff in order to improve their qualifications. One example of such training is our accredited program for training physicians in public health, the only such program in Florida.

In addition to the employed staff, there are a large number of volunteers from the different communities who work in the various centers. These people with a variety of backgrounds donate their time toward greatly augmenting the services provided to the public. They perform all sort of tasks, and they are especially important and necessary here, with our rapidly growing population and our limited resources to meet the increasing needs.

We hope you will find this report of interest. If you would like to have additional information which we can provide, please let me know.



DIRECTOR, PALM BEACH COUNTY HEALTH DEPARTMENT

INTRODUCTION

The population of Palm Beach County is growing rapidly and the health needs of the people are increasing at an even greater pace. Part of this is due to the environmental impact of this population and part is due to the personal health needs.

The people of this county are distributed over a large geographic area with marked differences in health problems, and also in the health resources available. The County Health Department has attempted to recognize these characteristics by decentralizing services to bring them closer to the people and by designing programs to fit the special needs and resources.

This report describes the 6 health centers located throughout this county and the programs they provide to the residents of their service area. The activities of each center reflect the efforts of a dedicated staff working to meet the health needs of their community.

Health Center Development

- 1948 West Palm Beach, 5th Street (closed 1955)
- 1955 West Palm Beach, 4th Street (closed 1960)
- *1956 Glades Health Centers, Belle Glade and Pahokee
- *1960 West Palm Beach, 826 Evernia
- 1961 Storefront, Delray Beach (closed 1971)
- 1965 Medical Care Clinic, 45th Street West Palm Beach (closed 1975)
- 1966 Hillville trailer, Rangeline (closed 1971)
- 1969 Storefront, Riviera Beach (closed 1970)
- *1970 Northeast Health Center, Riviera Beach
- *1971 Southeast Health Center, Delray Beach (expanded 1976)
- *1974 Jupiter Auxilliary Health Center
- *1976 901 and 909 Evernia Street, West Palm Beach
- 1977 Lake Worth Community Health Center (closed 1980)
- *1980 Lake Worth Community Health Center (new building)

*Current Health Centers

WEST PALM BEACH HEALTH CENTER



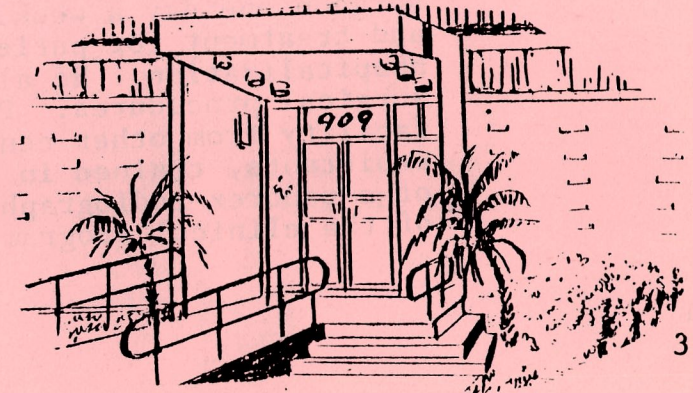
Palm Beach County Health Department had its start in 1948 in quarters on Fifth Street in downtown West Palm Beach, the county seat. By 1950 the staff had grown to 20 and additional space was needed. Some staff, including the Health Director, moved to 423 Fourth Street during the mid 1950's where they remained until the total staff was reunited in the new health department building at 826 Evernia Street in 1960.

Over the years various departments have been "rented" out because of space shortages, but were again reunited in 1976 in the present three building complex at 826, 901 and 909 Evernia Street. In addition to housing administrative offices for all Divisions, Personal Health clinical services and Environmental Health field services are offered here to residents of the central areas of the county.

Preventive and primary care are provided for eligible clients from clinics at 826 and 909 Evernia Street. Staff and patients alike coped with inadequate and remodeled space for over 50,000 patient visits in 1981. A county space study showed an acute need for expansion of this center and projected that possibility by 1983. The opening of the new Lake Worth Community Health Center in Lake Worth was expected to decrease the demands on the West Palm Beach facility, but that did not happen in 1981. The addition of Pediatric clinic, now operating 5 days a week, added almost 5000 encounters, more than making up for any transfer of patients to the new center in Lake Worth.



Est.1948



WEST PALM BEACH HEALTH CENTER

PERSONAL HEALTH DIVISION



The Medical Clinic offers comprehensive health care to indigent patients. Bloodwork, physical exams, diet counseling, and education for the patient are all provided. Referrals to all subspecialties are made through the Clinic, as well as hospitalizations if required. Family Planning Clinics are held several times weekly and provide all types of birth control modalities. All patients attend an educational session. PAP smears, breast exams, and GYN consultations are done regularly. Maternity Clinics encompass complete prenatal care including bloodwork, exams as needed, and education for the patient on pregnancy, the birth process, and the post partum period. T.B. Clinics are held twice weekly. Due to the increased numbers of positive PPD tests, a reactor clinic was started to accomodate these persons. X-rays are taken when indicated. Pediatric Clinics have been extended to five sessions per week. Parents are individually counseled regarding pediatric health requirements, growth patterns, nutrition, immunization, and safety. Referrals are made to appropriate areas as needed. Immunizations Clinics are held daily. Overseas immunizations are available each Friday afternoon. Flu Clinic was heavily attended by those persons meeting the criteria of eligibility. A new program, Prepaid Health Plan was added to help deliver comprehensive health care to eligible Medicaid recipients. The program serves approximately 1500 clients at this time. A nutritionist is available for consultation to our patients and plays an active role in clinical services. The individual and group nutrition education sessions have proven to be a great asset with clients in teaching behavior modification and preventive health care.

In addition to full time dentists, the Dental Clinic employs an oral surgeon one day a week. He provides a mechanism for in-house referral and treatment for patients requiring specialty treatment, consultation and hospitalization. He also provides training for staff in advanced oral surgical procedures. Patients are routinely referred to the West Palm Beach facility from other centers for treatment by the oral surgeon. Two dental assistants, trained in expanded dental functions, are employed. The addition of a panorex radiograph machine has greatly increased the diagnostic capability of the clinical program.

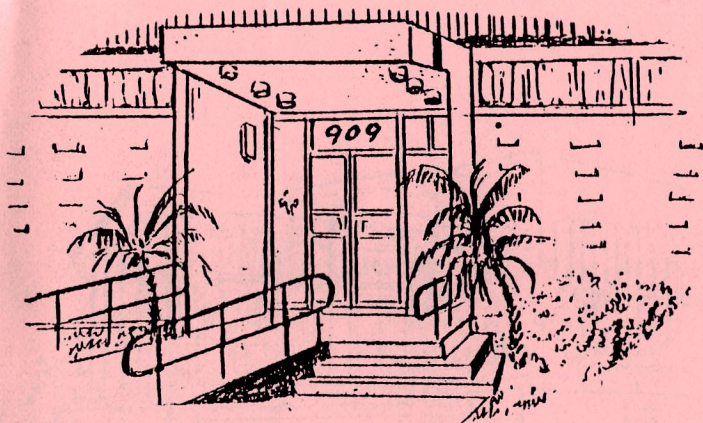
PERSONAL HEALTH DIVISION (CONT.)

<u>Service</u>	<u>Patient Visits</u>
Medical	7873
Family Planning	2182
Maternity	3080
Pediatrics	4844
Tuberculosis	3755
Triage	10189
Immunization	4827
Venereal Disease	6195
Dental	7254

Other Services

Laboratory Procedures 24,337
(Includes some services for centers
without on-site laboratory)

WIC enrollees (average 465
per month)



OTHER PROGRAM ACTIVITIES

PERSONNEL

Personnel actions initiated for staff in
West Palm Beach Center (including Admini-
strative and Warehouse staff):

Positions Authorized	270
Positions Added	11
Positions Deleted	4
Positions Reclassified	13
Employees Promoted	37
Employees Hired	40
Employees Terminated	38

HEALTH EDUCATION

Group classes for patients were held
regularly in maternity, family planning
and pediatric clinics. Nurses, nutritionists
and the health educator led these sessions.
Tours for prenatal patients at St. Mary's
Hospital were offered to patients. Many
presentations were made at the request of
community groups on a wide variety of
health topics.

VOLUNTEERS

Volunteers assist with a wide range of
support services to many programs including
immunization, epidemiology, clinics, record
room and the business office. In West Palm
Beach, 186 volunteers contributed 13,475
hours. One of their special joys was the
annual Christmas party for children, with
Santa arriving by fire engine to distribute
toys, games and lots of other treats.

WEST PALM BEACH HEALTH CENTER

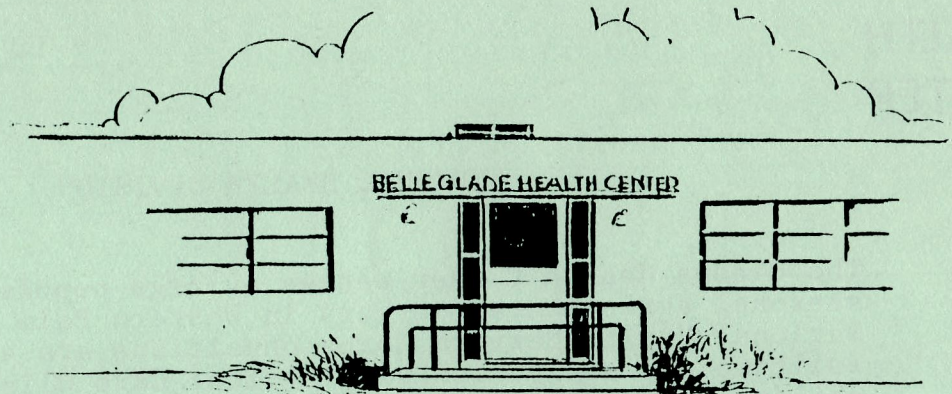
ENVIRONMENTAL HEALTH

The West Palm Beach office is not only the largest center but also the only center still totally under a divided program structure (Food Hygiene, Institutional Health, and Community Sanitation), each with its own implementation staff. However, this office was reorganized in 1981 so that a single supervisor coordinates the implementation of all program areas. Certain countywide programs are still operated from this office alone: the contractual agreement with County Department of Animal Regulation in which the Health Department supervises and coordinates the rabies control program. Emergency medical services inspections are carried out from this office, coordinated with the County's Emergency Medical Services Programs. The St. Louis Encephalitis detection program, uses flocks of chickens for early-warning blood samples to indicate when the St. Louis Encephalitis virus is present for mosquitoes to transmit. This allows time for spraying of mosquito breeding areas before transmission of St. Louis Encephalitis becomes a danger and alerts the community to exercise preventive measures.

<u>ESTABLISHMENT</u>	<u>SITES</u>
Emergency Medical	11
Child Care/Family Day Care Centers	114
Nursing Homes	17
Hospitals	10
Schools (public and private)	82
Trailer Parks	74
Food Service	1205
Food Processors	75
Food Outlets	291



GLADES HEALTH CENTER



From the early 1950's, prior to the formal establishment of health centers in the western area of the county, public health nurses and sanitarians provided services to agricultural workers from rooms in four migrant labor camps. In 1956, through city, county and Hill-Burton funds, health centers were built in Belle Glade and Pahokee. These centers served rural areas around southeast Lake Okeechobee from 20 Mile Bend to Canal Point and South Bay. Many of the services provided were supported by the earliest Migrant Health Project in the United States funded through the U.S. Childrens Bureau. Both centers provided environmental and personal health services for the agricultural migrant living and working in this major vegetable and sugar producing area.

Since 1975 Environmental Health Services have been located in the Pahokee center while all Personal Health Services are housed in Belle Glade. Bilingual staff from these centers continue to provide services to the seasonal agricultural and migrant workers and other residents, many of whom have their origins in Mexico, Cuba, Jamaica, Haiti or the Bahamas as well as the rural south.

EST.
1956



GLADES HEALTH CENTER

PERSONAL HEALTH DIVISION



The Glades Health Center serves a large population of migrant and seasonal agricultural workers in Western Palm Beach County. Two National Health Service Corps physicians are assigned to the center fulltime and see patients in Medical Care Clinics. Babies and children are seen in Pediatric Clinics by Board Certified Pediatricians. Public Health Nurses work in these clinics as well as Triage and Immunization Clinics. Because of the large influx of Haitians to this area in the past 2 years, a Haitian community health worker acts as interpreter for staff and clients.

Other community services include school health, hospital coordination and epidemiological investigations. The Migrant Mental/Medical Health linkage program provides counseling, consultation and coordination of mental/medical services for appropriate clients.

The on-site laboratory is well equipped and makes it possible for results to be obtained conveniently and more quickly. Clinics are generally well attended and busy with an average of 300 patient visits monthly.

Nutrition services are provided for patients in Medical, Pediatric, Maternity and Family Planning clinics. The WIC clinic in Belle Glade is the largest in the County, serving an average of 850 clients monthly.

The dental facility provided full dental services during 3948 patient visits. The dental clinic is located in a 1500 square foot trailer with four operatories, X-ray bay area, including a panorex radiograph, and the latest in modern dental equipment. The clinic has been designated as a National Health Service Corps manpower shortage area and is staffed by two NHSC dentists assigned for a minimum two year period at the Belle Glade facility. The health department supplies the support staff, which includes two dental assistant and one receptionist.

GLADES
HEALTH
CENTER

PERSONAL HEALTH (CONT.)

<u>Service</u>	<u>Patient Visits</u>
Adult Medical	4925
Family Planning	1009
Maternity	2071
Pediatrics	6721
TB Control	921
Triage	4565
Immunizations	3047
VD Control	839
Dental	3948
<u>Other Services</u>	
Laboratory Procedures	9165
WIC enrollees (average per month)	851

OTHER PROGRAM ACTIVITIES

VOLUNTEERS

A busy center staff appreciated the 8 volunteers who faithfully helped with office activities in Belle Glade. They served 256 hours and contributed greatly to the center meeting its goals in 1981.

HEALTH EDUCATION

Health Education program for the Glades Community Health Center in Belle Glade provides learning opportunities for the staff, community and for the patient. Classes are held regularly for all Maternity, Family Planning and Prepaid Health Plan Clients. The classes are conducted in a relaxed manner conducive for learning. The patients are encouraged to ask questions and to share experiences. The Prepaid Health Plan had its beginning in 1981 to provide preventive health care in addition to regular health care. Hopefully the education will increase the clients role in his own health care as he becomes more aware of how his lifestyle relates to his health. Ninety-five percent (95%) of the patients attending the maternity and family planning clinics are in classes taught by the Health Educator.

PERSONNEL

Personnel Actions

Positions Authorized	71
Positions Added	2
Positions Deleted	1
Positions Reclassified	1
Employees Promoted	4
Employees Hired	15
Employees Terminated	7

GLADES HEALTH CENTER

ENVIRONMENTAL HEALTH (PAHOKEE OFFICE)

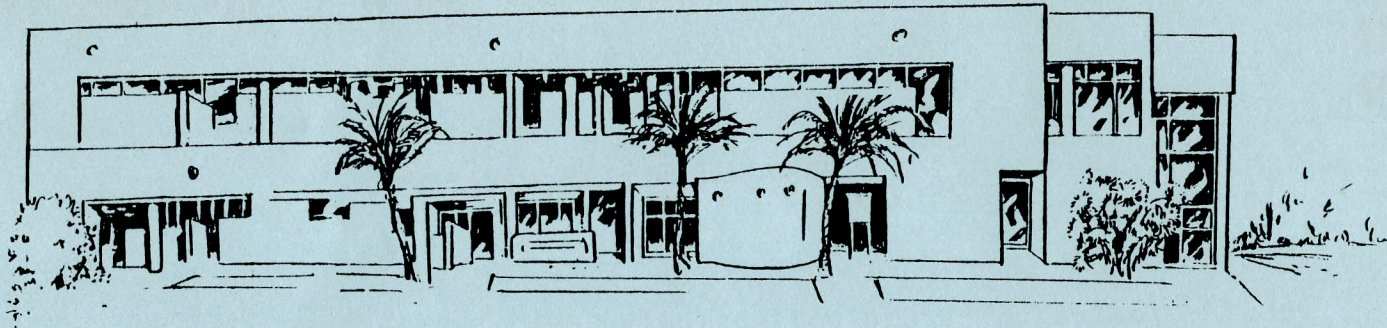


In 1981, one of our major concerns continued to be the lack of adequate housing for the thousands of migrant and other seasonal agricultural workers who live and work in the Glades during the winter months. All migrant labor camps are currently permitted and most are maintained in good condition. These twenty-two (22) camps provide housing for approximately 12,220 migrants during the peak of the season.

Unlike the labor camps in the Glades, non-camp housing for seasonal workers is frequently found to be sub-standard. The majority of this type housing is made up of rooming houses and apartments located in the urban sections of Belle Glade, South Bay and Pahokee. Regularly scheduled sanitary surveys are made by Health Department sanitarians to ensure that at least minimum sanitation requirements are enforced. Stopped-up toilets, broken sewer lines, improper garbage disposal, damaged screening, rodent and insect infestation and over-crowding are problems frequently encountered. With assistance from the local and county building departments, progress toward elimination of sub-standard housing has been steady.

Of particular concern has been the sudden and unexpected influx of Haitian refugees, many of whom now reside in the Glades. It has been estimated that as many as 5,000 Haitians are currently living in this area of the county. The majority of Haitians occupy rooming house apartments which have in the past been used almost exclusively by domestic seasonal agricultural workers. Lack of communication has been a serious problem as most Haitians are suspicious of any authority, including Health Department personnel. As a general rule, sanitary conditions in housing occupied by Haitian families are worse than in most other non-camp housing. It has been necessary to increase the number of inspections in Haitian dwellings and a combined enforcement/health education approach is being used to obtain compliance.

<u>ESTABLISHMENT</u>	<u>SITES</u>	<u>ESTABLISHMENT</u>	<u>SITES</u>
Rooming Houses	445	Farm Labor Housing	15
Food Outlet	80	Food Service	174
Food Processors	15	Schools (Public & Private)	23
Trailer Parks	36	Ambulance Services	2
Hospitals	2	Child Care/Family Day Care	27



SOUTH COUNTY HEALTH CENTER

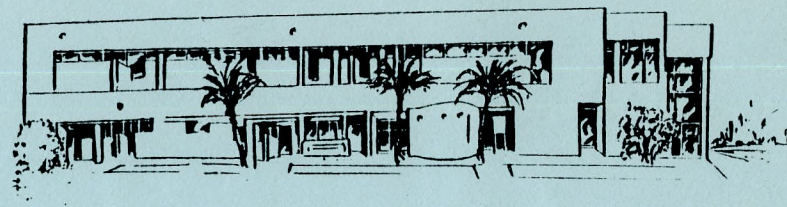
**EST.
1961**

In the early 1950's public health nurses from the West Palm Beach Center began to travel regularly to the Boynton Beach, Delray Beach and Boca Raton area. They commuted to provide service to this area 30 miles south of West Palm Beach. In 1959, office space made available in the Water Company provided a local home base. By 1961 a rented storefront became the first actual health center; in ten years this local center had expanded to include three storefronts. A mobile trailer was used to provide service to the rangeline migrant camps starting in 1962; by 1966 this trailer was a permanent station in the Hillville area of the rangeline.

In 1971 the Southeast County Office Complex was completed on South Congress Avenue in Delray Beach. The Health Department was assigned the north wing of this new building and closed the storefronts and Hillville Stations. A second floor completed in 1976 doubled the Health Center area and made space available to house a full range of personal and environmental health staff.

The Southeast County Health Center serves a population from migrants to retirees. A trilingual staff helps to meet the needs of the Spanish as well as Creole speaking populations. The Center serves basically those residents of the three southeastern cities of Boca Raton, Delray Beach and Boynton Beach as well as the unincorporated area known as the Rangeline, west of these cities. A staff of 65 persons supplemented by an increasing number of Volunteer Staff provides services.

SOUTH COUNTY HEALTH CENTER



PERSONAL HEALTH DIVISION

People, individually and collectively, are the consumers of the Personal Health Services. This may vary from the individual care provided a newborn infant to the multi-services in a large high school. Inherent in the daily activities are a concern and an awareness for the total health needs of the citizens of southeastern Palm Beach County.

Preventive health care, is available to all residents. Immunizations offering protection against childhood diseases are provided. A case register for continuous surveillance of all known tuberculosis cases is maintained. The incidence of venereal disease is reduced through an aggressive case finding and surveillance program.

Primary health care is provided to the medically indigent population. Eligibility is determined by Palm Beach County Social Services Department and Florida Division of Social and Economic Services. Maternity services are available through a Nurse Mid-Wifery program operated as a cooperative service with Bethesda Memorial Hospital. Total maternity care is provided by certified Nurse Midwives under a physician's direction. All methods of contraception are provided to clients based on the assessment of the physician and the desires of the patient. Child and adolescent health care is available through pediatric clinical services. Medical care clinic services are available to adult clients. Triage or screening clinic is in operation to provide temporary assistance to the walk-in client in need of health care.



PERSONAL HEALTH DIVISION (CONT.)

SOUTH
COUNTY
HEALTH
CENTER

Public health nurses and nurses aides are assigned to the school health program work to maintain the health status of students, prevent the spread of disease, and assist students with health problems. The staff's goal is to insure that school age children have care including identification of health needs, referral and follow-up, health information, and a healthy environment. Presently there is a 1:2 nurse assignment ratio in the high schools and a 1:16 ratio in the elementary and middle schools.

Field investigations are made of all infectious diseases, with the assistance of environmental health when appropriate. The goal is to find a possible source of infection and institute corrective measures in order to prevent further outbreaks.

The Dental Health program provided a full range of dental services during 3870 patient visits in 1981. The Delray Beach clinic utilizes 3 operatories, office and reception areas, laboratory, dark room, and a central sterilization area. The clinic serves eligible Southeast County clients in addition to a large migrant and Haitian population.

<u>Services</u>	<u>Patient Visits, 1981</u>
Adult Medical	5065
Family Planning	2011
Maternity	3523
Pediatrics	6517
TB Control	1285
Triage	6563
Immunization	3246
VD Control	1584
Dental	3870
Laboratory Procedures	16885
WIC enrollees (average per month)	572

OTHER PROGRAM ACTIVITIES

VOLUNTEER PROGRAM

There are approximately 100 volunteers working in the Southeast County Health Center. These volunteers work in Triage clinic coding patient encounter forms and checking in patients; in Pediatric clinics helping doctors with the children, in the WIC Nutrition program, in Medical clinics helping the aides; in the Business Office assisting with numerous assignments, and in Data Processing, key punching data from patient encounter forms into computer terminal. Volunteers are established as integral members of the total staff involved in service delivery to patients.

HEALTH EDUCATION

Classes were offered to clients in maternity, family planning and pediatric clinics. A tour for expectant parents at Bethesda Hospital attracted many clients. The most exciting activity was providing health education classes to refugee Haitians through the Survival Skills program offered in the community. This provided a regular opportunity to reach large numbers of Haitians on topics related to personal and environmental health.

NUTRITION

Southeast County Health Center participates in a supplemental food program for women, infants and children (WIC). The WIC program represents a Federally funded resource for providing food by prescription to persons "at nutritional risk" and for reinforcing nutritional education and preventive health measures in Maternity and Pediatric services. Other nutrition activities include classes in the prenatal clinic, conducted in English and in Creole once a month for the Haitian population. Other classes are presented for the pediatric, hypertensive, diabetic, and obese patients. Individual nutrition education is provided by appointment for specialized diets.

**SOUTH
COUNTY
HEALTH
CENTER**

OTHER PROGRAM ACTIVITIES (CONT.)

BUSINESS OFFICE

The staff of fiscal assistant and cashiers functions in a decentralized manner regulating much of the center financial management. Accepting payments for services, proper channeling of all data processing information, billing for numerous third party reimbursements, ordering of all supplies, and maintaining the center switchboard are primary responsibilities of this staff. Additionally, a custodian and motor vehicle operator maintain the premises, furnishes courier service and provides indigent clients with transportation to the center.

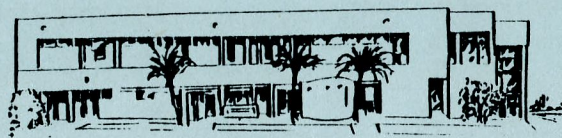
Total Billings, 1981 28,060

DATA PROCESSING

Southeast County Health Center is now equipped with two Sycor Terminals for computing data from client clinic visits, as well as clerical, field services and administrative services data. Encounter forms from the nearby Lake Worth Health Center are forwarded from that office and entered into the terminals from this Center. One full time computer terminal operator enters data daily along with a volunteer staff of ten.

PERSONNEL

Position Authorized	77
Positions Added	3
Positions Deleted	2
Positions Reclassified	14
Employees Promoted	12
Employees Hired	8
Employees Terminated	10



SOUTH COUNTY HEALTH CENTER

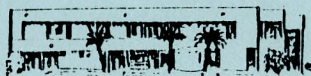
ENVIRONMENTAL HEALTH

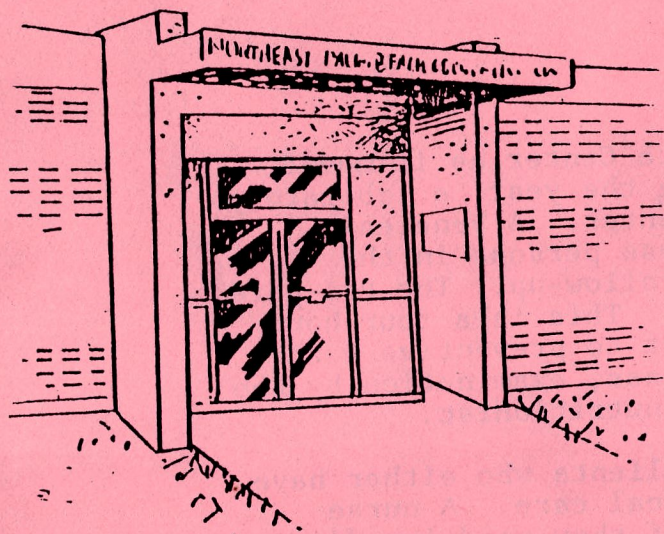
The Delray Beach office of Environmental Health has instituted some staff changes. Sanitarians are now trained in a generalized program of environmental health. Most of our sanitarians previously worked in specialized programs (food service, institutional or community sanitation). Most will now have responsibilities in all three program areas. Each sanitarian will be assigned a geographical area and will handle all environmental health problems in their area.

The Delray Affair, an annual street carnival lasting three days, takes place in April. This year 27 temporary food service stands were inspected and permitted. Food service and outlet stands were inspected each day of operation resulting in 127 inspections. Violations noted during inspections were required to be corrected immediately or within a few hours. The most serious and persistent violations were inadequate screening and storage of food and utensils on the ground.

In the past two years, Haitians have taken up residence in the Delray Beach area. In some sections, whole blocks of residential housing have been occupied by Haitians. As this office has become aware of Haitian housing through sanitary nuisance complaints, sanitarians have placed these dwellings on regular inspection schedules. This effort was necessary because many Haitians have limited knowledge of good sanitary practices. For example, many Haitians coming to this country are unfamiliar with the use of modern plumbing fixtures and have had no experience with proper garbage storage and disposal.

<u>ESTABLISHMENT</u>	<u>SITES</u>	<u>ESTABLISHMENT</u>	<u>SITES</u>
Detention Center	4	Farm Labor Housing	75
Food Outlet	160	Schools	59
Migrant Labor Camp	27	Food Service	770
Mobile Home Parks	38	Food Processing	13
Ambulance Service	9	Hospitals	3
Child Care/Family Day Care	83	Nursing Homes	9
ACLF	16		





NORTHEAST HEALTH CENTER

**EST.
1969**

The original health center for this area was opened in 1969 in a storefront on Blue Heron Boulevard. Services were limited to maternal and child health programs. The present center was built in 1970 to accomodate eligible clients living in northern West Palm Beach, Mangonia Park, Riviera Beach and other communities north to Palm Beach Gardens and North Palm Beach. The center expanded to provide full clinical services, seeing almost 22,000 clients in 1981. Environmental health services to this area of the county are still provided from the West Palm Beach office.

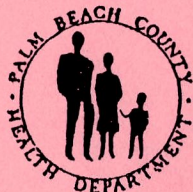
NORTHEAST HEALTH CENTER

PERSONAL HEALTH DIVISION

1981 was a year of expansion for Northeast Health Center as it moved closer to a comprehensive health center. During the year, a laboratory was staffed to provide basic tests within the center. A Venereal Disease Clinic was instituted to accommodate those persons in the northend of the county requiring treatment and follow-up. The Pre-paid Health Plan Clinic was started December 7, 1981. This is a four hour session designed as an introduction of the client to preventive care and includes Pre-paid Health Plan orientation class, examination by the dentist and physician and an interview with the nutritionist.

Triage Clinic is provided daily to serve those clients who either have no appointment and/or no clearance but need medical care. A nurse assesses each client individually to determine if they need immediate care or if they can be put into a regularly scheduled clinic. Other services include, but are not limited to, gamma globulin, allergy and Rheumatic Fever injections, assessment of T.B. medication, blood pressure screening, immunizations, and telephone information.

Nutrition services are available to all clients. Individual nutrition education is a large part of WIC, Medical, Maternity, Pediatrics, and PHP Clinics. Group classes are given for WIC and maternity clients. Other nutrition services included the development and presentation of the nutrition curriculum of the Child Care Workers Certification course. Involvement in the HEALTH PLUS program is continuing with the workshops scheduled through the Palm Beach County Health Department and Palm Beach Junior College. Inspections of Adult Congregate Living Facilities are part of the nutritionist responsibilities. The food service is inspected and menus discussed. Classes on nutrition have also been given at some of the area schools under special circumstances for demonstration purposes. Referrals are also accepted from school nurses for individual counseling on weight control.

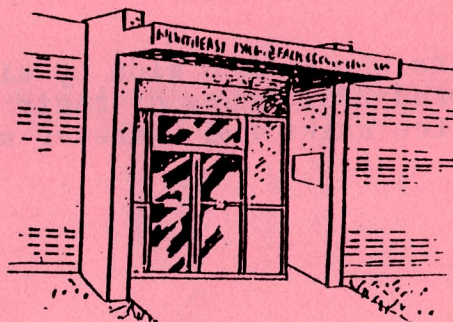


PERSONAL HEALTH DIVISION (CONT.)

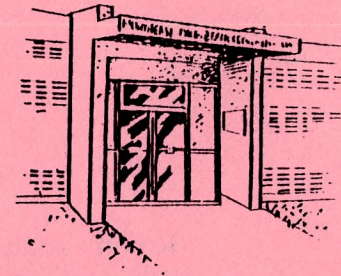
Seven school nurses working out of Northeast Health Center cover public schools in the area from Palm Beach Gardens to Forest Hill Boulevard. The school program encompasses assessing kindergarten through third grade for PREP Screening, identifying hi-risk students, monitoring for immunizations and physical examinations, screening for scoliosis and helping the schools monitor communicable diseases, i.e. head lice, scabies, conjunctivitis.

The dental facility, consists of two operatories, dark room, office space, and laboratory area. The Riviera Beach clinic serves the Northeast County area and draws its patients from a wide section of the community. In addition, patients from the County Detention Center, Sabal Palm School, and Maurawood are treated in the clinic

<u>Services</u>	<u>Patient Visits</u>
Adult Medical	2856
Family Planning	2028
Maternity	2010
Pediatrics	4232
Tuberculosis	415
Triage	2409
Immunization	2685
Venereal Disease	931
Dental	4368
WIC Enrollees (average per month)	358
Laboratory Procedures	3951



NORTHEAST HEALTH CENTER



OTHER PROGRAM ACTIVITIES

HEALTH EDUCATION

In 1981, a Health Educator spent two days a week providing classes in Maternity, Family Planning, EPSDT Screening and Medical/Seizure Clinics directed toward prevention and health awareness. Health Education is a vital component of total family care provided to the community by the Northeast Health Center. Individual counseling and group classes in pediatrics, family planning, maternity, and general medical clinics are conducted by clinic nurse, nursing aides, the nutritionist, and health educator.

The center staff works closely with community agencies, local media and area housing development managers to disseminate health information. Integrating health education and health information to the clients and the community are continuous goals of the Northeast Health Center.

PERSONNEL (includes Northeast and Jupiter Health Centers)

Positions Authorized	52	Employees Promoted	4
Positions Added	4	Employees Hired	1
Positions Deleted	1	Employees Terminated	7
Positions Reclassified	3		

VOLUNTEERS

The 16 very valuable volunteers who worked side by side with staff in the Northeast Center contributed 2231 hours of their time. They assisted in all clinic areas, with office tasks and wherever special needs arose.

LAKE WORTH COMMUNITY HEALTH CENTER

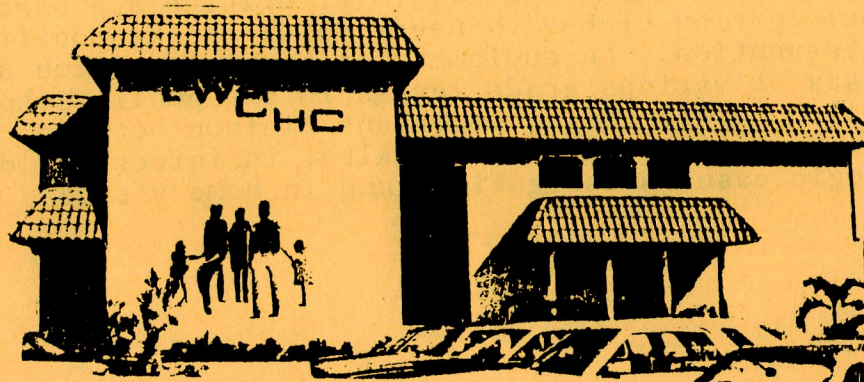
EST.
1977



Lake Worth Center opened in September, 1977 through the combined efforts of the Lake Worth City Commission, the Palm Beach County Commission, and the Health Department. Congressman Paul Rogers dedicated the small renovated center on August 27, 1977 in memory of Dr. Grady H. Brantley, a respected physician of the Lake Worth community.

To meet the expanding need of senior citizens and a growing younger population, a new two story center was opened on September 5, 1980 adjacent to the smaller center. The older center is presently providing social services to the Lake Worth community. The center's location facilitates access to other community services which are frequently called upon.

The clinics provided include maternity, family planning, medical, triage, and pediatric clinics as well as a new psychiatric clinic which accepts patients from all the Health Department Centers. The psychiatric clinic provides continuity of care to the Health Department patients with both physical and emotional problems. The clinic, as well as the county pharmacy, volunteer program, public health nurse field services, WIC program, immunization program, hypertension screening program, nutrition and health education combine to provide a family oriented approach to health care in the Lake Worth community.



LAKE WORTH COMMUNITY HEALTH CENTER

PERSONAL HEALTH DIVISION

With the demand for increasing services the Lake Worth Health Center staff has increased in number and versatility. Physicians, nurses nursing aides, clerks, nutritionist, health educator and volunteers work together to keep their skills ready to meet the request of over 18,000 patients.

Clinics provided include maternity, family planning, medical, triage and pediatrics. The approach in these clinics, as well as in the community, is to focus on the prevention of disease and proper management of medical problems. Lake Worth Health Center has established itself as a family oriented health center. As demands for services grow, the staff feels capable of continuing a high level of care to the people of Lake Worth.

Patient Visits 1981

Adult Medical	1757	Pediatrics	2141
Family Planning	1971	Tuberculosis	267
Maternity	1365	Immunization	4461
WIC enrollees	173	Triage	6087
(average per month)			



There is a continuing awareness that the educational process of children can be enhanced by improving their health status. Public Health Nurses spend 4 to 16 hours per week in each of the 16 public schools in the Lake Worth district. Priorities are based on the presence or anticipation of health needs which can be modified or met through nursing intervention. An audiometrist conducts vision and hearing screening tests at various grade levels in the public schools. The field public health nurses are an important liaison between the Health Department and the community, in school health, in infectious disease control, epidemiologic case investigations and in home visits.

OTHER PROGRAM ACTIVITIES

HEALTH EDUCATION

The physicians, nurses, nurses aides, health educator and nutritionist provided patient education to clients receiving prenatal care, infant care, general medical and family planning services. Knowledge and skills involved in meeting the responsibilities of maternal health, infant care and parenting, and family health were stressed in the maternity education classes and in the clinic setting by clinic staff. Group classes in family planning emphasized anatomy and physiology and contraceptive knowledge. The increasing number of Haitian patients in the family planning classes presented a communication problem for the nurses and health educator. Pediatrics education was provided on an individual basis by the physician and nurses emphasizing disease prevention by proper infant/child immunizations and basic pediatrics care. Group classes, performed by the health educator were conducted in the waiting area when appropriate.

PHARMACY (PALM BEACH COUNTY SOCIAL SERVICES)

We have the most modern, clean and up-to-date Pharmacy in this area. When a prescription is brought to this Pharmacy, a profile card is made for the client, this card is monitored for possible drug or allergic reactions and to make sure of proper dose compliance. Each prescription or medical order is examined carefully.

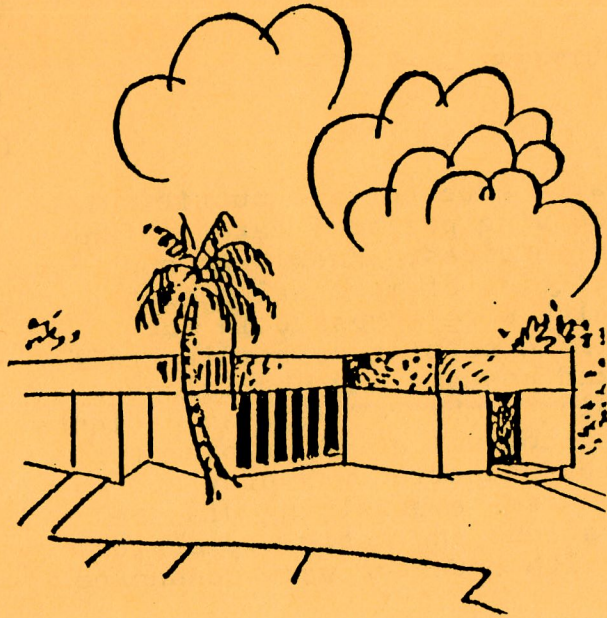


VOLUNTEERS

Lake Worth found a special group of volunteers who could answer the switchboard, assist physicians with examinations, keep records and just about anything else needed. Twenty five of these special volunteers contributed 2908 hours to help the staff and clients of this center.

PERSONNEL

Positions Authorized	25
Positions Added	4
Positions Deleted	1
Positions Reclassified	2
Positions Promoted	2
Positions Hired	3
Positions Terminated	3



JUPITER AUXILIARY HEALTH CENTER

Est. 1974

This small community health center is the result of the efforts of an interested citizen group working with county and health officials to build a center for the rapidly growing Jupiter-Tequesta area. The health center is part of a community complex providing social, health and recreational services. Preventive and primary care services are offered to a wide range of residents of this north county area. A staff of 7 provide Personal and Environmental services. The service area of this center is bound on the east by the Atlantic Ocean, south by Donald Ross Road, west to the Bee Line Highway and north to the Martin County line. The 1980 population in this area is approximately 20,000, but it is a rapid growth area, residentially and commercially.

JUPITER AUXILIARY HEALTH CENTER

PERSONAL HEALTH DIVISION

Jupiter is a unique center in that it serves a variety of people ranging from millionaires to the medically indigent. The rapid growth in this area of the county, and its distance from other resources, has helped this center develop as a community program. There has been an increased demand for immunization services which is demonstrated by the improvement in immunization audits for children. Other increases have been noted in requests for medical clinic appointments, pre-marital and other blood tests and family planning services. Over 5700 patient visits were made to the Jupiter Auxilliary Health Center in 1981.

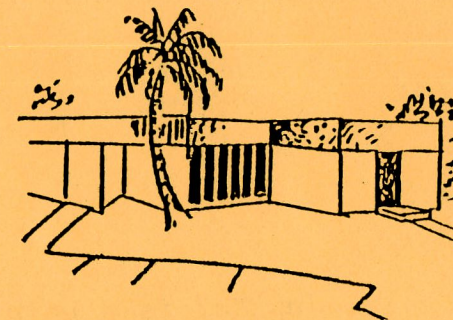
<u>Service</u>	<u>Patients Visits</u>
Adult Medical	420
Family Planning	909
Maternity	213
Pediatrics	52
TB Control	63
Triage	2447
WIC Enrollees (average per month)	35

OTHER PROGRAM ACTIVITIES

VOLUNTEERS

One of the special things about Jupiter is its residents. Six of these became volunteers at the center, contributing 245 hours. They assisted office and clinic staff and added to the ability of this center to meet the needs of its clients.

JUPITER AUXILIARY HEALTH CENTER



ENVIRONMENTAL HEALTH

The Environmental Health section consists of a one room office in the Jupiter Auxiliary Health Center with two environmental sanitarians and a clerk. The responsibility includes inspections of septic tanks, food service and food outlet establishments, food processing, trailer parks and camp grounds, farm labor housing, and field work conditions and building fumigations. Services also include investigation of nuisance and health hazard complaints, rabies control, food illness and epidemiological surveys, rodent problems, garbage and rubbish storage and disposal and the collection of potable water samples from public and private wells.

This office was designed as a model center to provide complete environmental health services to north county residents. Much time is spent in talking with individuals and business people in a health educative way in the promotion of better understanding and acceptance of Health Department regulations and functions.

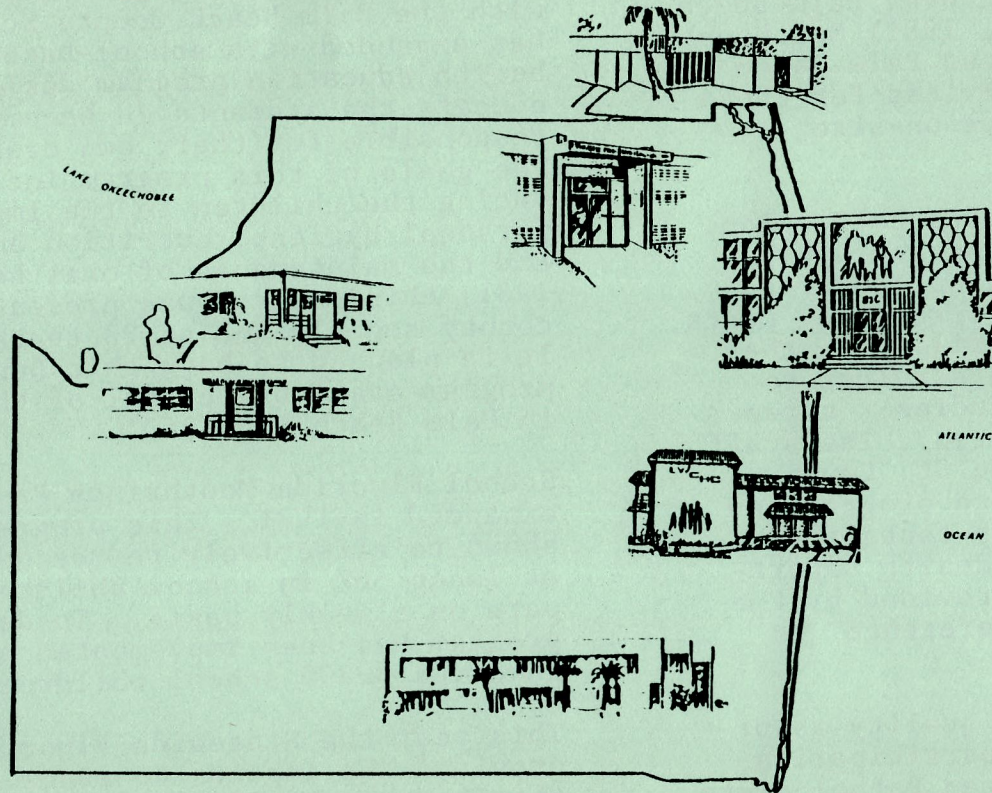
ESTABLISHMENT

Food Service
Food Outlets
Food Processing
Schools
Trailer Parks

SITES

85
21
3
6
9

program



activities

PERSONAL HEALTH DIVISION

Program Activities

LABORATORY

On-site laboratory testing is provided for patients in Glades, West Palm Beach, Southeast, and (August, 1981) Northeast Health Centers. The West Palm Beach Laboratory provides services for those centers that do not have on-site laboratories.

Services provided includes collection and handling of specimens and a wide variety of hematological procedures, venereal disease tests, pregnancy tests, urinalysis, etc. In April 1981, the laboratory expanded its services to include Bacteriology studies: strep screens and urine cultures. The staff continues to support the St. Louis Encephalitis surveillance program and HEALTH PLUS. Laboratory tests not currently available by Health Department laboratories are provided by the State and contractual reference laboratories.

Laboratories maintain a quality assurance program including participation in the College of American Pathologists and State proficiency surveys. Licensure is in accordance with the State of Florida Statutes: Clinical Laboratory Law, Chapter 482.

Total Patient Tests:	56,934
Quality Control Procedures:	23,024

DENTAL HEALTH

The Dental department, in cooperation with the Palm Beach County School Board, has expanded with school-based dental health education program designed to educate the students in becoming more responsible for their own oral health. The goals of this program include introducing the children to the importance of personal hygiene, nutrition and diet control, and the maintenance of oral health. During 1981, this program was presented to 24 county schools and at 28 teacher workshops. It is planned to have this Dental Health program available to all of the teachers in Palm Beach County.

School Fluoride Mouthrinse Program was also expanded in 1981. This program has been shown to effectively reduce dental decay by at least 50% in school children that participate on a weekly basis. To date, this voluntary program has been implemented in 26 schools and involves 6,300 school children.

This year the Statewide Fluoridation Grant, provided the impetus to renew efforts to obtain community water fluoridation in several communities in Palm Beach County. This effort has been designated as major priority program to be continued in 1982.



VENEREAL DISEASE CONTROL PROGRAM

Nine thousand five hundred forty-nine persons came to the clinics during 1981 for diagnostic testing and treatment service. Of the 9,549 patients, therapeutic or prophylactic treatment was administered to 6,460. Treated infections included syphilis, gonorrhea, non-specific urethritis (NSU), trichomonas, monilia, chancroid and venereal warts. NSU infections numbered 848 and genital herpes was clinically diagnosed in 119 patients.

During 1981, case rates for syphilis increased, while gonorrhea decreased, reflecting the program's continued shift of emphasis from syphilis to gonorrhea control.

Case Rate (per 100,000 population), 1981

Infectious Syphilis

State: 30.9
Palm Beach County: 40.5

Gonorrhea

State: 615.0
Palm Beach County: 617.3

Palm Beach County ranked 8th among counties in the state with population 50,000 and above (33 counties) in reported case rate for infectious syphilis and 11th for gonorrhea. In 1981 the number of gonorrhea cases declined 3.4% (from 3,630 to 3,506). The age group 15-24 accounted for 63.2% of reported cases. Infectious syphilis cases increased 47.4% (from 156 to 230); early latent cases increased 75.4% (from 69 to 121). Almost one-half of the reported cases were among those in the 20-30 year old age group. The majority of the reported cases (90%) were identified in the Riviera Beach and West Palm Beach areas.

Penicillinase-producing *Neisseria gonorrhoeae* (PPNG), a penicillin resistant strain of gonorrhea, numbered 52 during 1981; in the previous years no cases had been reported in Palm Beach County. The difficulty of diagnosing and the expense of treatment coupled with its' rapid transmission makes control of PPNG imperative. Extensive surveillance and prompt and rapid epidemiology helped to minimize the disease's potential for outbreak. During 1981, 251 cases of Gonococcal Pelvic Inflammatory Disease were reported; an increase of 209% over the 81 cases reported in 1980. A massive educational program and the cooperative efforts of local hospitals served to detect the increased number of cases.



EPIDEMIOLOGY PROGRAM

Vaccine Preventable Illnesses

Rubeola (measles) cases decreased to one reported case for the year. This can be attributed to the aggressive immunization program for infants and school age children. The Infant Immunization Surveillance program documented that 90.5 percent of infants seven months of age born in Palm Beach County had started their basic immunization series.

A new human diploid cell rabies vaccine was made available in mid 1980. The vaccine has fewer side effects and produces immunity in a larger number of persons given the vaccine. A total of 49 persons received the vaccine after animal bites during 1981.

Other Communicable Diseases

A marked increase in the number of Aseptic Meningitis cases was documented, beginning in February and terminating late in the year. Viral studies on some of the 122 patients revealed that the meningitis was caused by eight different enteroviruses.

The number of Hepatitis A cases decreased by 21 percent compared to the previous year. This can be attributed to the preventive strategies implemented when a case is associated with a child care facility. There were six outbreaks of Hepatitis A associated with child care facilities this year compared to ten the previous year.

The total number of new cases of Tuberculosis decreased by 14 percent (from 92 to 79 cases) in the past year. The number of cases decreased in the White, Oriental and Black populations but increased in the Haitian and Hispanic populations by 56 percent (9/16) and 38 percent (3/8) respectively. The influx of refugees accounts for the increase in the Haitian and Hispanic groups.



PUBLIC HEALTH RESIDENCY

The Public Health Residency Program certified its third class of physicians as having met its requirements. The 4 graduates attended weekly sessions of residency lectures or epidemiologic seminars, and completed required courses in Principles of Epidemiology and Applied Epidemiology. In addition, each candidate presented a report at the University of Miami, School of Medicine, Department of Epidemiology and Public Health, on the results of a research project. This is the only program approved by the Accreditation Council for Graduate Medical Education for public health in the State of Florida.



PLANNING AND EVALUATION

1981 was a year of highs and lows for the planning department. It was the beginning of the Prepaid Health Plan (PHP), a bold experiment toward offering an alternative health care delivery system for Medicaid patients. Fifteen hundred Palm Beach County Medicaid recipients or about 8.10% of the resident Medicaid population is currently enrolled in the plan. Enrollees receive health services that include preventive health care with an aim toward controlling and preventing problems of a serious nature from occurring.

This was also the year of federal efforts to cut government spending. In the last few years the Palm Beach County Health Department has depended heavily on federal monies received to provide care for many of the citizens of Palm Beach County. These federal reductions may impact severely on the ability of the department to continue to deliver care. The outlook for 1982 points to an immediate 25-35% reduction in funding. To combat these problems in the next few years the planning division will increase its efforts toward innovative and more cost effective systems and procedures for the department as a whole.

HEALTH EDUCATION

Health Plus

Health Education and Personal Health staff combined efforts to conduct health promotion workshops throughout the County. Workshop participants are encouraged to evaluate their current health habits and make changes toward a healthier lifestyle. The 12-hour workshop offers a computerized Health Hazard Appraisal to help participants identify their risk factors. Sessions include information on nutrition, stress reduction and exercise, stressing the choices each person has in his lifestyle.

During 1981, over 100 professional and support staff of the health department attended inservice programs on health promotion.

HEALTH PLUS was presented to the Health Planning Council (HSA#7) in the fall of 1981 for endorsement as an example of the type of program that should be provided in this community. This endorsement led to the Council providing HEALTH PLUS to interested Council members.

HEALTH PLUS sponsored the Living Well Mile on March 27, 1981. The Board of County Commissioners issued a proclamation endorsing Living Well Mile and a member of that Commission led the 100 walkers, runners and skaters.

health
+
plus

ADMINISTRATION

Program Activities

PERSONNEL

Personnel Actions are initiated in each of the Health Centers and forwarded to Personnel Office for review to insure compliance with the Career Service System Rules and Regulations and department policies and procedures. Technical assistance is provided to management, supervisors and employees in administering insurance, workers compensation, leave and attendance, employee evaluations, position classification, recruitment and employer/employee relations programs.

Positions Authorized	495
Positions Added	24
Positions Deleted	9
Positions Reclassified	33
Employees Promoted	59
Employees Hired	67
Employees Terminated	65

VOLUNTEER SERVICES

President Reagan's message urging a "surge" in the Volunteer spirit and the "pinch" developed by cuts in the Federal budget has tremendously increased the demand for more and more Volunteers within the Palm Beach County Health Department.

The scope of the Volunteer Program reaches every aspect of the agency. Not only are Volunteers assisting staff by working side-by-side in these areas, but they are also available for health emergencies such as epidemics and screenings. In addition, the Volunteers assist in recruitment, public relations, Christmas parties for our clinic children and appearances at many of our public functions.

The Palm Beach County Health Department has the only active public health Volunteer Program in the State of Florida. Its effectiveness has been enhanced by the 28,967 hours contributed by Volunteers in 1981. This saves the agency \$159,318.50 with the equivalency of 16.1 full-time staff people.



VITAL STATISTICS

Vital Statistics, the collection of data related to births and deaths, has always been a basic public health function. A staff of four now carries out functions of processing birth and death certificates, issuing copies of certificates and meeting requests for information for clearance for Social Security, estate settlement, immigration, etc.

Total Births and Deaths Per Year Palm Beach County

	<u>Total Deaths</u>	<u>Total Births</u>
1971	4576	5925
1972	5225	5340
1973	5515	5140
1974	5621	5347
1975	5721	5269
1976	5664	5113
1977	5873	5517
1978	6322	5866
1979	6588	6342
1980	7108	7305
1981	7650	7865



DATA PROCESSING

Equipment Acquired:

Sycor intelligent terminals have ability to edit input without being on line with main computer. Compatible with present IBM system and with the NCR I 9040 interactive computer system ordered to replace IBM in 1981.

Locations and Usage of Sycor Terminals:

Delray Center

Medical encounter forms, immunization logs, triage logs, venereal disease logs.

Belle Glade Center

Data from employee activity reports.

909 Evernia & 826 Evernia Centers

Medical encounter forms, immunization logs, triage logs, venereal disease logs.

Central Computer Location

Employee activity reports, dental encounter forms, school health logs.

The method of reporting county Health Department activities to the health program office in Tallahassee changed from printed reports to magnetic tape in 1981. Data Processing transmitted 585,000 records of services provided. The NCR computer system being utilized in 1982 will have a tape drive and data transmission by tape will continue.

THE BUSINESS OFFICE

The primary function of the central office and at each center is to provide support to Personal Health and Environmental Health.

Accounting

Maintenance of all Ledgers and Journal for Federal, State and Local Funding. Process approximately 45 detailed reports monthly.

Accounts Receivable

Accountable for all revenue from Federal, State and Local sources. Audits approximately 25 cash reports daily.

Accounts Payable

Terminal input to Tallahassee of all Health Department expenses and revenue. Submit an average of 150 to 200 invoices daily.

Facilities Offices

Collection of patient fees, third party billings and administrative support for centers.

BILLINGS PROCESSED FOR MEDICAID, MEDICARE AND OTHER SERVICES, 1981

<u>Facilities</u>	<u>Medical</u>	<u>Dental</u>
Southeast	24,969	3,091
Glades	16,637	3,003
Lake Worth	10,725	None
Northeast	6,006	1,307
Jupiter	1,316	None
909 Evernia	13,404	None
826 Evernia	4,015	2,870
901 Evernia	<u>3,500</u>	<u>900</u>
Total Processed	80,652	11,171

ENVIRONMENTAL HEALTH

Program Activities

FOOD HYGIENE: The contract between the Department of Business Regulation and the Division of Health, which gave the responsibility of food service establishment inspection to the Division of Health sanitarians was fully implemented in 1981. This has eliminated much duplicity and has resulted in enhancement of the health unit's effort to upgrade food establishments. The food manager's training course was offered to food service workers on a continuing basis.

CHILD CARE PROGRAM: A child care worker certification course was initiated through Palm Beach Junior College Continuing Education Department. This is a pilot project offering to the student (child care facility worker) 18 hours of instruction, covering:

1. Comprehension of Child Care Facility Regulations
2. Child Abuse Detection and Responsibilities
3. Accident Prevention and Emergency First Aid
4. Child Illness and Disease Prevention and Control
5. Safe Food Handling and Food and Nutrition for Preschoolers

The reception of this course by the operators and child care facility workers has been very enthusiastic, and each class offered has been filled to capacity.

SCHOOL PROGRAM: A different administrative method of advising the Palm Beach County School Board of deficiencies necessitating capital improvement expenditures was implemented this year. A listing of schools and their deficiencies was submitted to the School Board Superintendent with advance lead time for their inclusion in the projected budget for the following funding year. The school health nurse received orientation and training by accompanying an environmental health sanitarian on a complete inspections of the schools food service operation and physical plant.



ENVIRONMENTAL HEALTH (CONT.)

ACUPUNCTURE CLINICS: Chapter 168 Florida Statutes was passed by the Legislature in 1980 and authorized the Department of Health & Rehabilitative Services to develop a Rule for Licensure of Acupuncture Clinics (Chapter 10D-81 F.A.C.). Inspections of the Acupuncture Clinics are made by a sanitarian and nurse and the licensure process is completed when the clinic is in compliance with the governing regulations. There are currently two (2) licensed acupuncture clinics in Palm Beach County.

Statistical Information

<u>Establishment Type</u>	<u>Number</u>	<u>Inspections Made</u>
Food Service	2,234	7,711
Food Processors	106	358
Food Outlets	552	2,966
Migrant Labor Camps	52	920
Rooming/Farm Labor Housing	763	1,105
Nursing Homes	22	132
Child Care Facilities	231	958
Hospitals	15	108
Schools	170	493
Detention Facilities	22	68
Foster Homes	237	253
Emergency Medical	69	198
Trailer Parks	157	746

<u>Type of Service</u>	<u>Number of Services</u>
Food Illness Investigations	76
Food Managers Trained	1,335
Sanitary Nuisance Complaints	1,935
Septic Tanks Inspected	2,000
Water Samples (private wells)	1,458
Animal Bites Investigated (rabies control)	2,087
Smoking Ordinance Complaints Investigated	130

ENVIRONMENTAL SCIENCES AND ENGINEERING

Program Activities

Environmental Sciences and Engineering is responsible for insuring that the quality of the environment is not deteriorated by pollution of the water or air. This is becoming a greater task as the population increases and more of the natural environment is disturbed by urbanization.

PLAN REVIEW AND PERMITS

Control over the pollution of water and air begins by controlling the facilities and installations which either cause pollution or, remove pollution. The first step in the process is regulation by permit, followed by a monitoring program to insure that construction/ installation and testing are performed in accordance with approved plans. These actions are necessary before a water or wastewater treatment plant or a septic tank system is placed in operation and before sewage collection or water distribution system are used.

Number of Permits Issued, 1981

Septic tank systems	1,725
Water supply systems	511
Sewerage systems	467

Eighteen (18) permit violation cases were brought before the Environmental Control Hearing Board during 1981.

WATER SUPPLY SECTION

The water supply program is responsible for insuring safe potable water for over 700,000 Palm Beach County residents and and visitors.

In 1981, staff inspected 660 public water treatment facilities and collected over 1200 water samples.

Although many violations of water supply regulations are corrected without need for formal legal action, ninety-five Formal Notices of Violations were issued during 1981.

The water supply section also insures that newly constructed water systems are safe to be placed into service. In 1981, some 413 such releases were processed by the section -- a 300% increase over 1976.

AIR POLLUTION CONTROL

The Air Pollution Control section is responsible for insuring that the air in Palm Beach County remains clear and pure. The section reviews all applications for the construction of air pollution sources and makes necessary comments or corrections to the sub-district office of the Department of Environmental Regulation. They are further responsible for the surveillance of operating air pollution sources and for initiating enforcement actions for violations. Significant actions for 1981 are as follows:

Notice to Correct Letter Issued	47
Inspections (Facilities)	113
Inspections (open burning)	36
Investigations	119
Permit Application Review	76

A maintenance program has been implemented for the meteorological equipment located at our three air pollution monitoring sites. The program requires quarterly preventive maintenance actions, and calibration procedures for eight pieces of highly complex and expensive equipment.

Palm Beach County is a non-attainment area for the pollutant ozone. As such, it is imperative that hydrocarbon emissions be controlled in an adequate manner. To achieve the control, we have implemented and established a program designed to enforce Reasonable Available Control Technology (RACT) as it applies to the distribution of gasoline. Each gasoline service station as well as the tanker trucks delivering the gasoline are now required to use a hydrocarbon vapor balance system. The system captures all vapors during the delivery procedure rather than releasing them to the atmosphere. The vapors are placed into the delivery tanker truck and returned to the gasoline terminal for a recycling process.



CHEMISTRY LAB

The Chemistry Laboratory has the responsibility for sampling water and air to determine the level of pollutants at representative sites throughout Palm Beach County. They perform surveillance sampling and analyses of wastewater treatment plants and public water supplies. Spills, hazardous wastes, fish kills and other similar environmental problems are analyzed and evaluated. During 1981, the following samplings and analyses were accomplished:

Wastewater Treatment Plants:

19 plants tested, 96 samples
234 analyses

Ambient Water

141 samples, 1,049 analyses

Public Water Supply

50 samples, 486 analyses

In addition an air monitoring network consisting of 12 suspended particulate sampler, 2 ozone samplers, 1 SO₂ sampler, 1 NO₂ sampler, 1 CO sampler and 1 THC was maintained and operated at 14 locations throughout the County. These air samplers collected 43,698 hours of data.

WATER RECREATION

1981 came to a close indicating a heavy increase in the public swimming pool population of Palm Beach County. Starting June 1, 1981, the Section discontinued the collection of samples for bacteriological examination. This was a savings in time and an appreciable savings in money to the regional laboratory, considering that collections for the first five months amounted to 5,300 samples.

Plan Review for new pools broke all records with 178 pools, 52 spas, and 3 wading pools, costing an estimated \$3,793,855.00. The total inventory of swimming pools grows at a constant rate as new projects are completed and come on line. During the year, 175 new pool permits were issued, and 157 permits were re-issued to those pools that had changed names or ownership. The total number of pools to be inspected on a regular basis as of December 31, 1981, was 1,428. Additionally, services rendered by the staff included:

In-Office Conferences	88
Telephone Information	3,641
Field Visits	8,948
Violation Notices	708



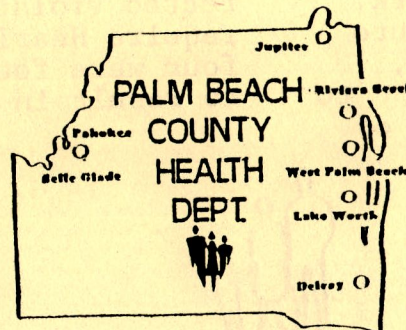
SOLID AND HAZARDOUS WASTE

The Solid Waste program was transferred from the Division of Environmental Health to the Division of Environmental Sciences and Engineering in December, 1980. Since the transfer, the additional responsibility of hazardous waste control has been added.

Monitoring wells are sampled and analyzed in order to determine the degree of ground water contamination caused at sanitary landfill sites. A procedure has been initiated to verify proper collection, preservation and analysis of samples. Each source must notify the Palm Beach County Health Department prior to the collection of samples at each site. The purpose is to ascertain that the methods used are in compliance with required procedures. In addition, on a semi-annual basis, split-sampling techniques are utilized by both the source and our personnel to determine accuracy and quality control by the analytical laboratory.

During the past calendar year, for the first time, generators of hazardous wastes have been inspected with reference to disposal procedures. The inspections are conducted in accordance with EPA requirements and are enforced using EPA rules. The state plans to adopt and implement a Hazardous Waste rule in 1982. This rule will allow direct jurisdiction and control over hazardous waste generators, transporters, and hazardous waste sites.

Notice to correct letter issue	16
Inspections	176
Investigations	19
Monitoring well analysis review	81
Permit application review	5



BIOLOGY LABORATORY

Although termed a "laboratory", the personnel of this section spend most of their time in the field performing biological assessments of the environment in relation to proposed developments or dredge and fill projects. These assessments entail one to four visits to each site; the physical analysis of the entire site as to flora, fauna and the general environment; and the written report of findings. The following activities were conducted during 1981:

Applications received	129
Applications processed & approved	55
Applications approved for drawing only	8
Applications requiring separate action	25
Applications denied	4
Applications still active	37

The Section is responsible for initiating enforcement action on violation of surface water quality. These may be from water well pollution by gasoline leaks, illegal dredging in state waters, surface water chemical or oil spills, etc. There were approximately 75 such investigations; 24 resulted in formal Notices of Violation.

The Section was responsible for the biological assessment of the area which became the John D. MacArthur State/County Park. Channel 2 TV (WPBT) made a thirty-minute documentary called "Uncharted Island", on which biology laboratory personnel to described the marine biological value of the habitat.

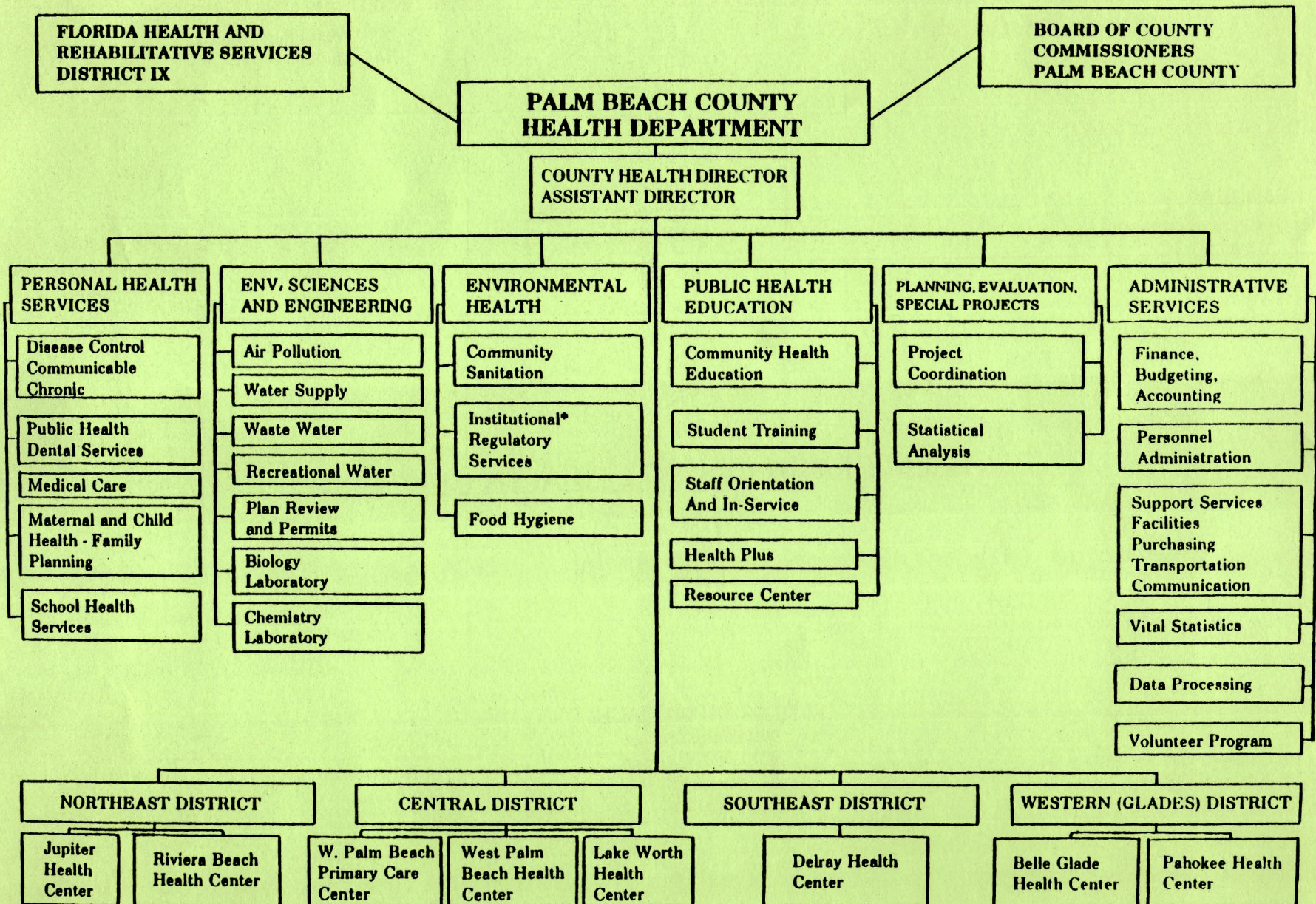
WASTEWATER

The wastewater section is responsible for insuring that operation of sewage treatment facilities and industrial waste systems conform to standards and are within the boundaries of permitted conditions. The section maintains a routine inspection schedule for all such facilities throughout the County. During 1981, over 1800 routine inspections were conducted in relation to 145 sewage treatment facilities and 30 industrial waste facilities. An additional 300-400 reinspections were required to determine that needed corrective actions were taken.

The continued construction of regional sewage pumping and transmission systems has resulted in the deactivation and removal of eleven (11) small treatment systems which were sources of pollution. However, seven (7) new sources became operational during the year. The expansion of regional systems, while reducing the number of water pollution, has created another problem for the wastewater section - odor complaints. Inability to control odors at the large pumping stations has resulted in over twenty odor complaints.

There were only six sewage facilities and two industrial waste facilities with uncorrected violations of sufficient concern to require Hearing Board action. Of these; four were found to be of such magnitude as to result in fines.





*Jointly Administered with Personal Health Services

BELLE GLADE

1024 Northwest Avenue "D"
996-1600

RIVIERA BEACH

1460 West Eighth Street
844-3561

LAKE WORTH

110 North "F" Street
587-4801

PAHOKEE

1759 East Main Street
924-7151

PALM BEACH COUNTY HEALTH CENTERS



JUPITER

6405 Indiantown Road
746-6751

DELRAY

345 South Congress Avenue
272-9700

WEST PALM BEACH

909 Evernia Street
901 Evernia Street
826 Evernia Street
837-3007

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